

FIG. 1A is a block diagram of a network system. The system includes an Internet Service Provider (ISP) 10, an Internet 8, a DSL Router 2, a Data protection system 1, and a Hub 6. The ISP 10 is connected to the Internet 8, which is connected to the DSL Router 2. The DSL Router 2 is connected to the Data protection system 1. The Data protection system 1 is connected to the Hub 6. The Hub 6 is connected to three computers 4a, 4b, and 4c.

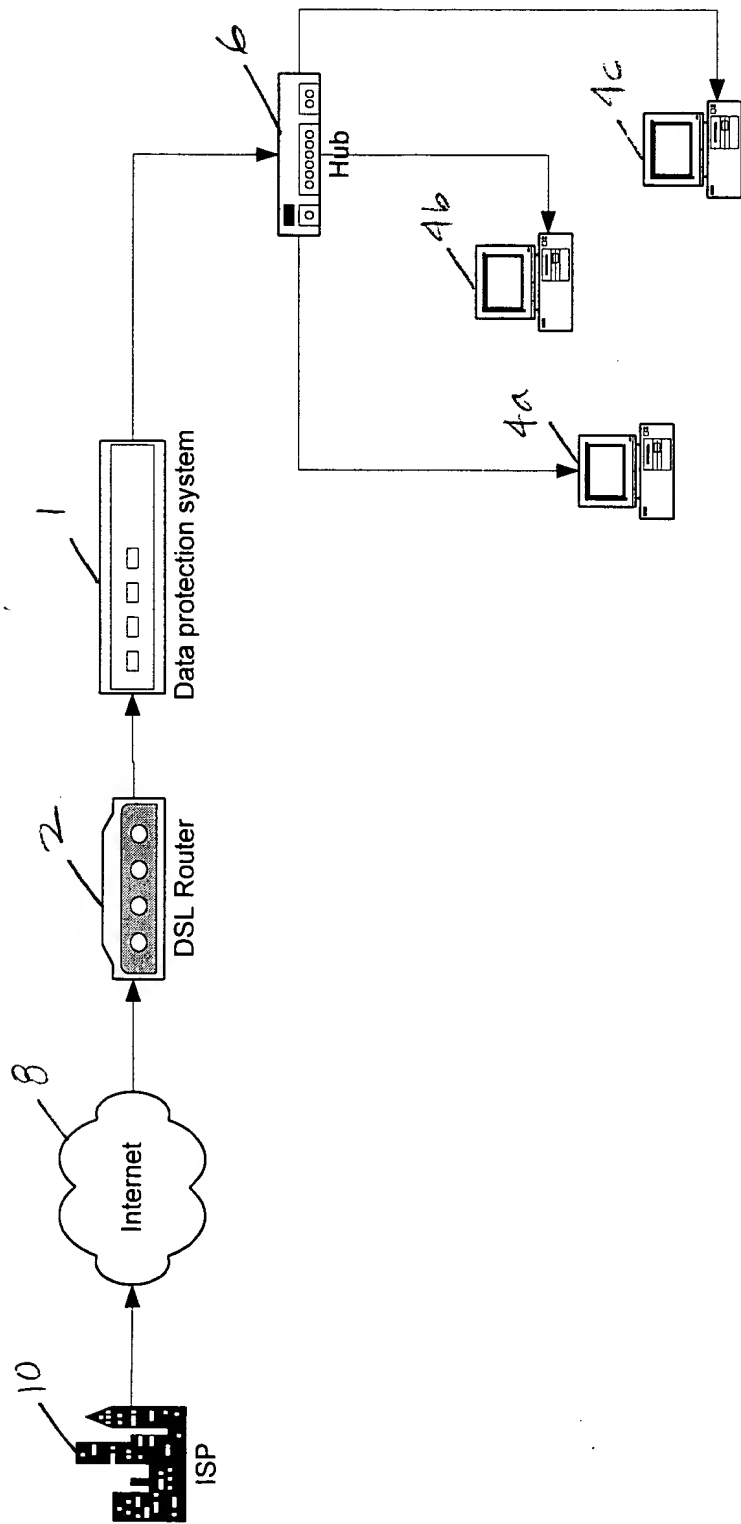


FIG. 1A

FIG. 1B is a block diagram of a network architecture showing a connection between an Internet cloud (8) and a local network. The Internet cloud (8) is connected to a DSL Router (2), which is connected to a Bastion (exposed) host (1). The Bastion (exposed) host (1) is connected to a Hub (6), which is connected to a Web & FTP Server (5a) and a Streaming Audio Server (5b). The Bastion (exposed) host (1) is also connected to a set of Internal (protected) hosts (4a, 4b), which are connected to a printer (7).

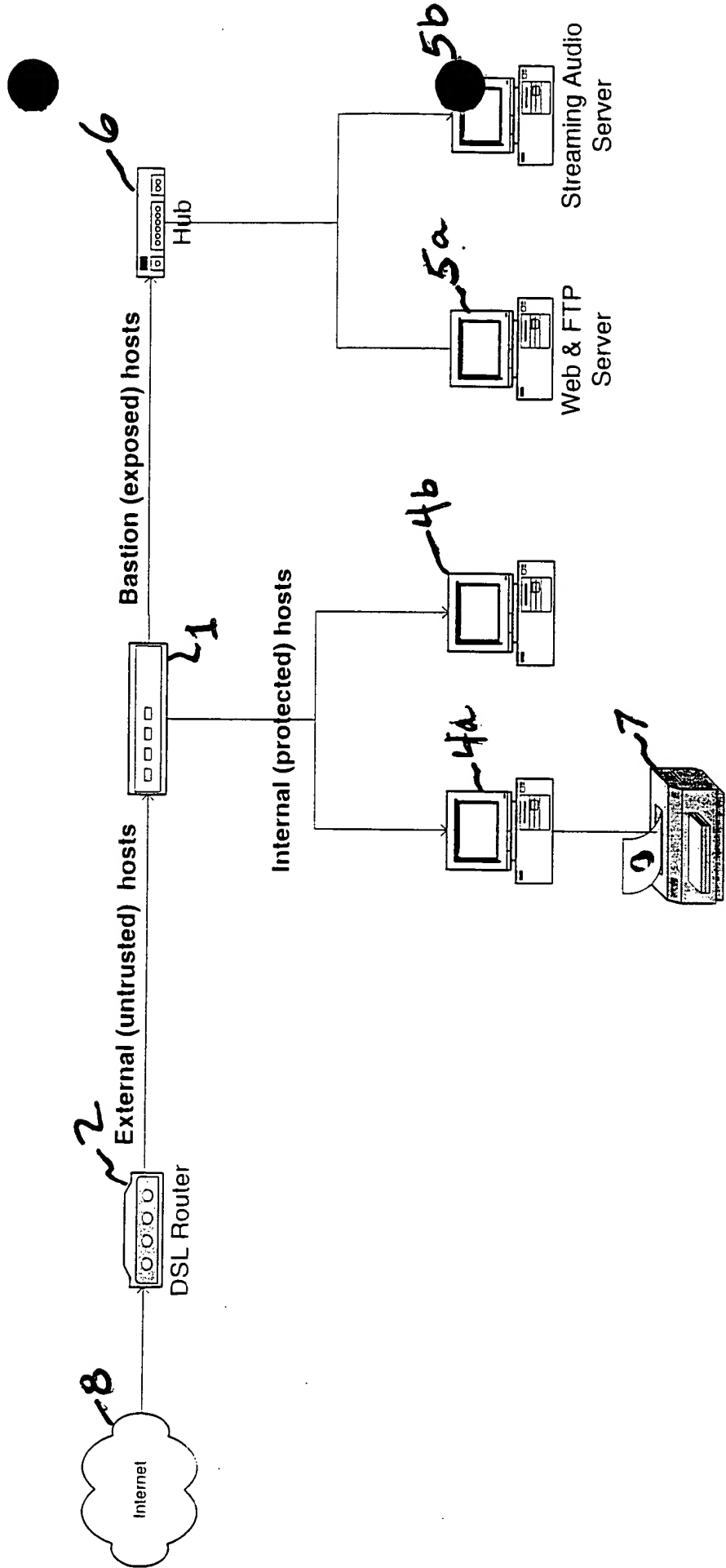


FIG. 1B

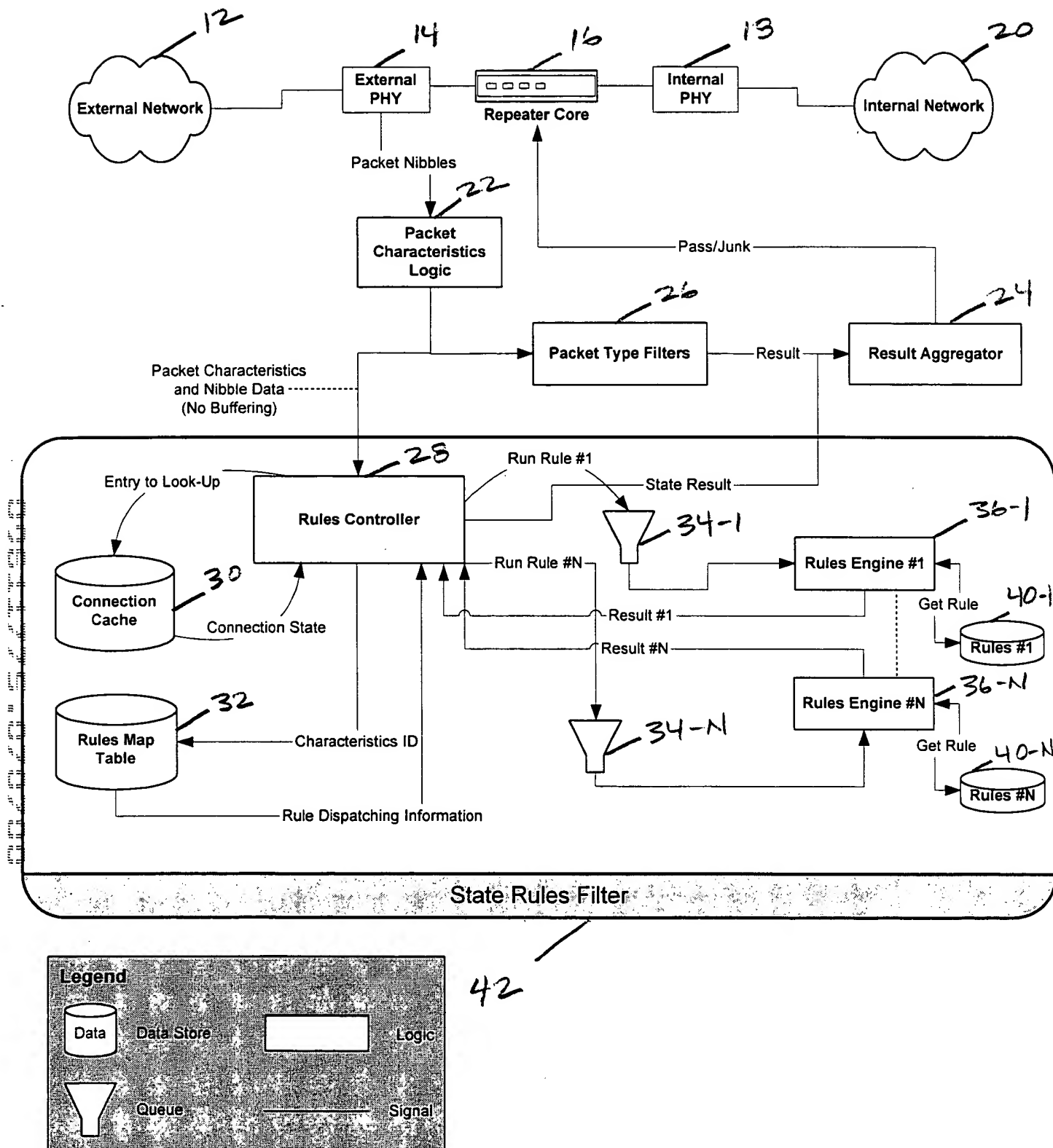


FIG. 2

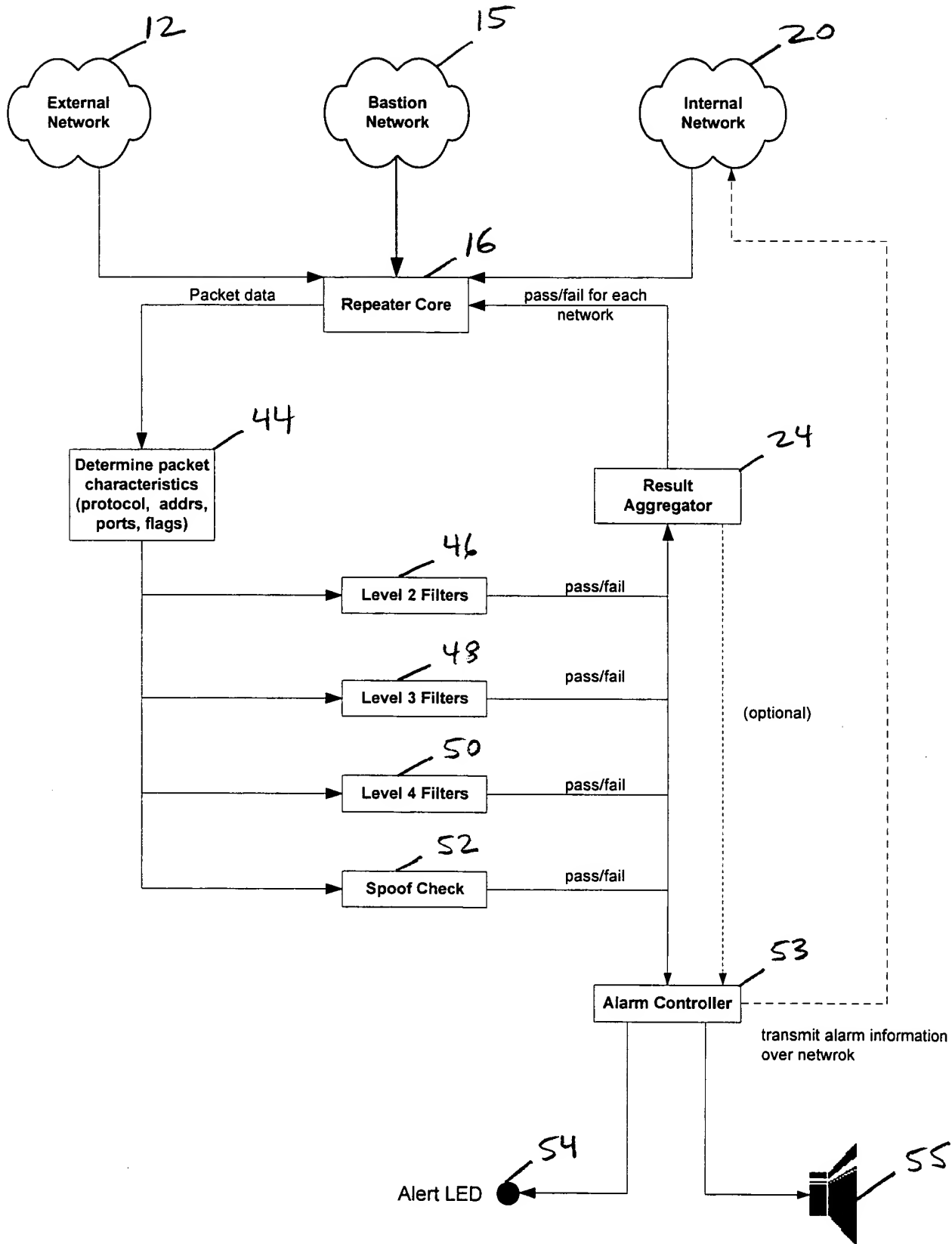


FIG. 3

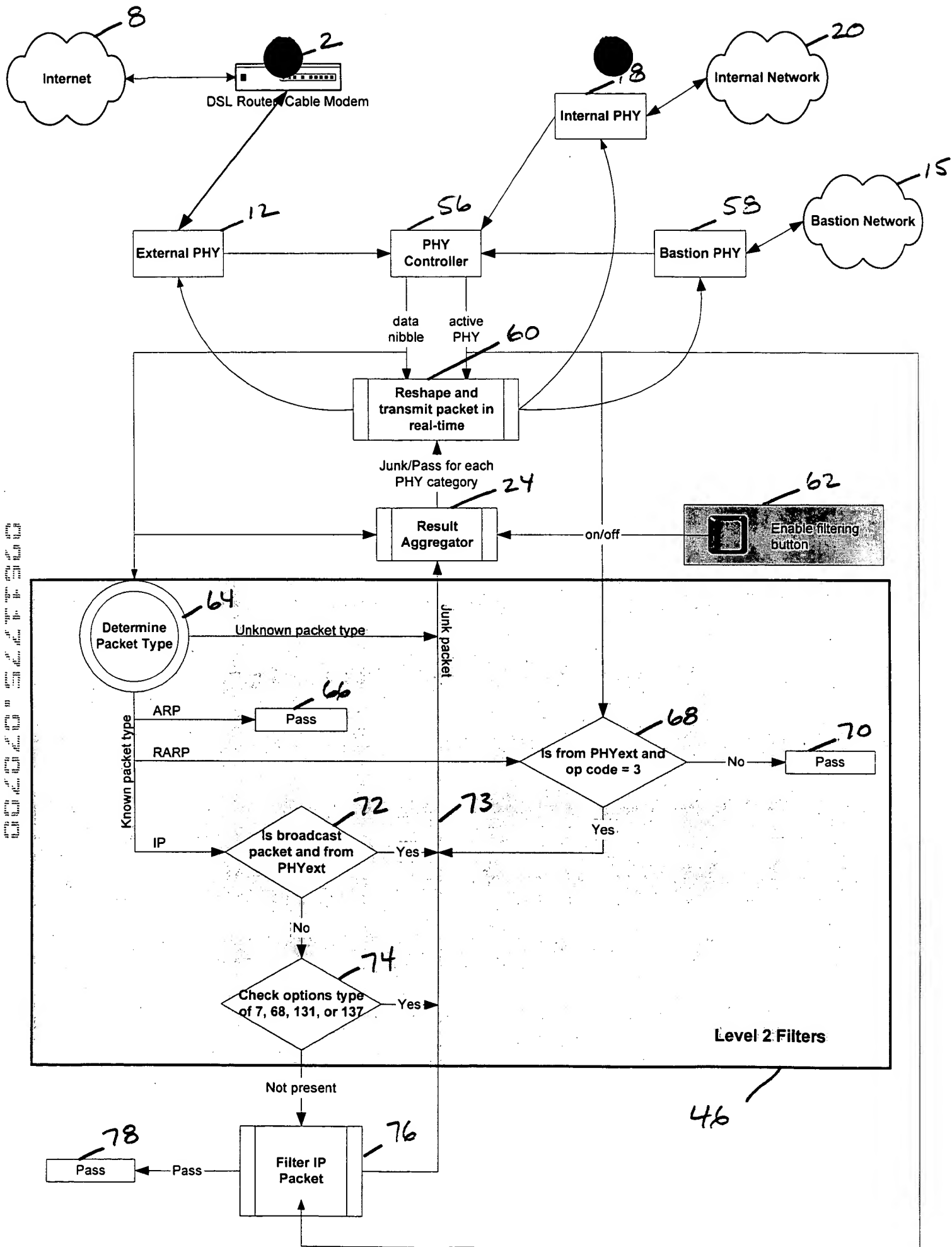


FIG. 4

Level 3 Filters

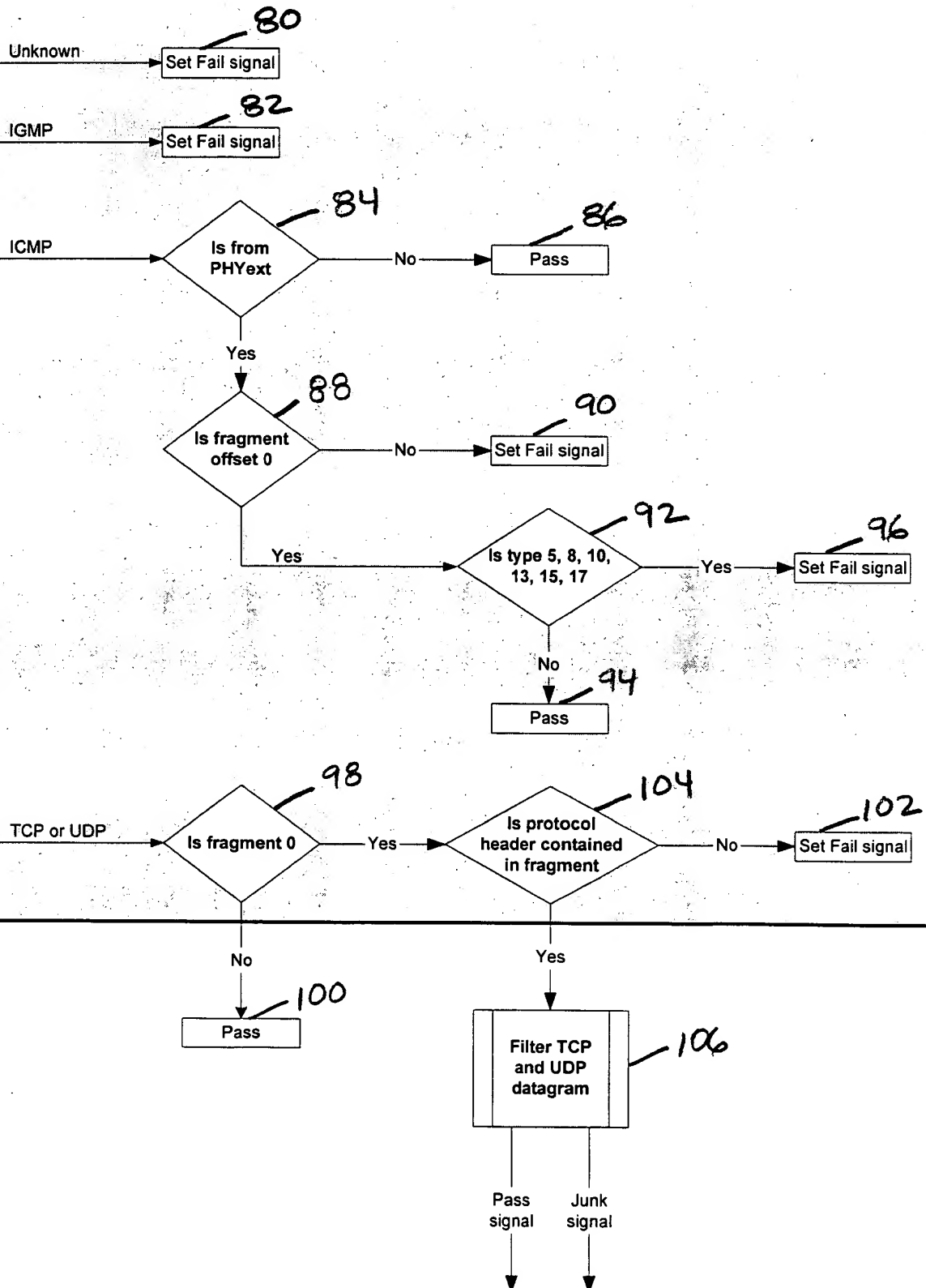
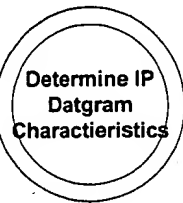


FIG. 5

TCP and UDP packets are evaluated for pass or fail in parallel (other protocols also handled simultaneously)

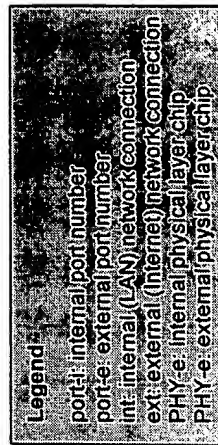
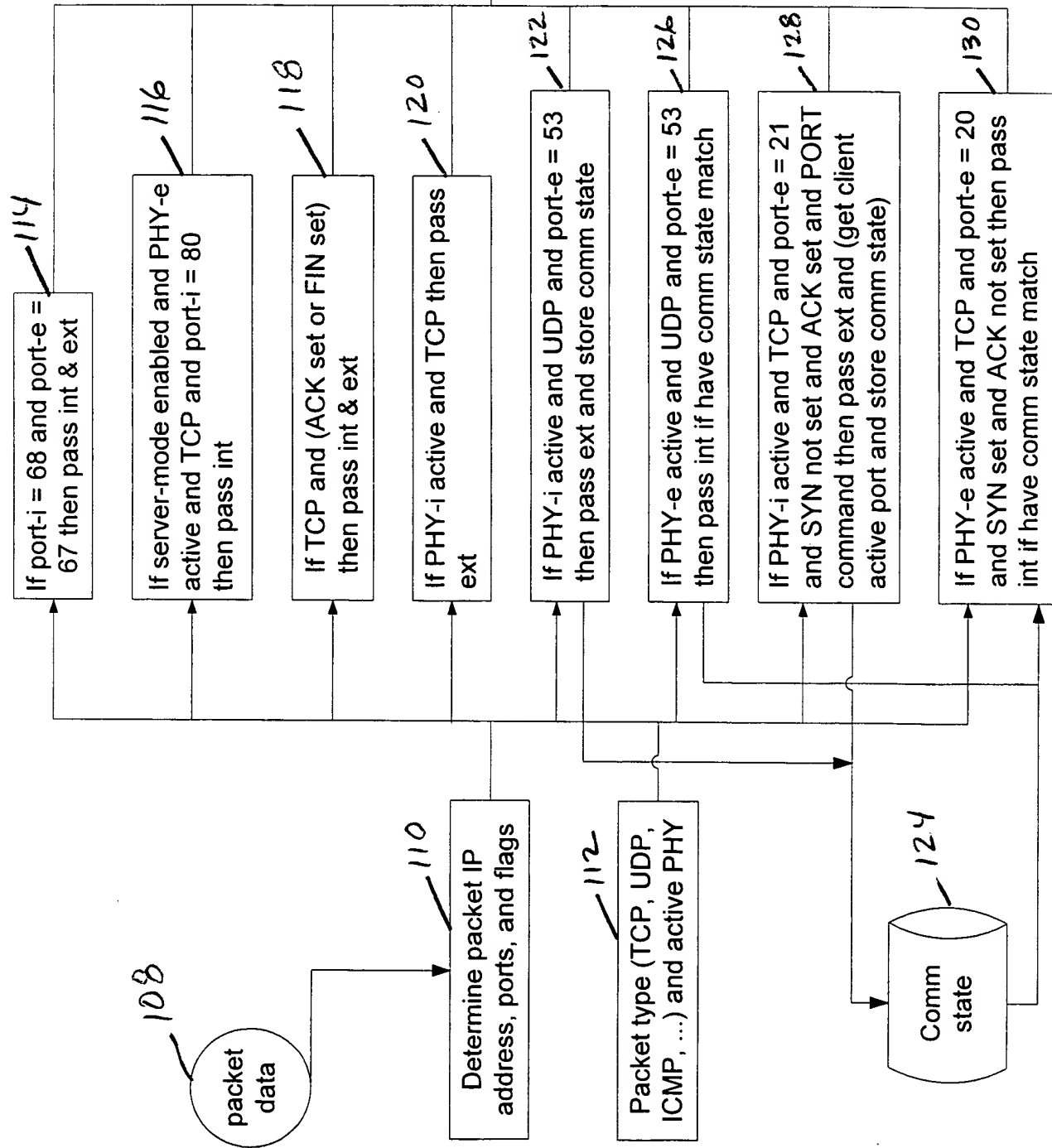


FIG. 6

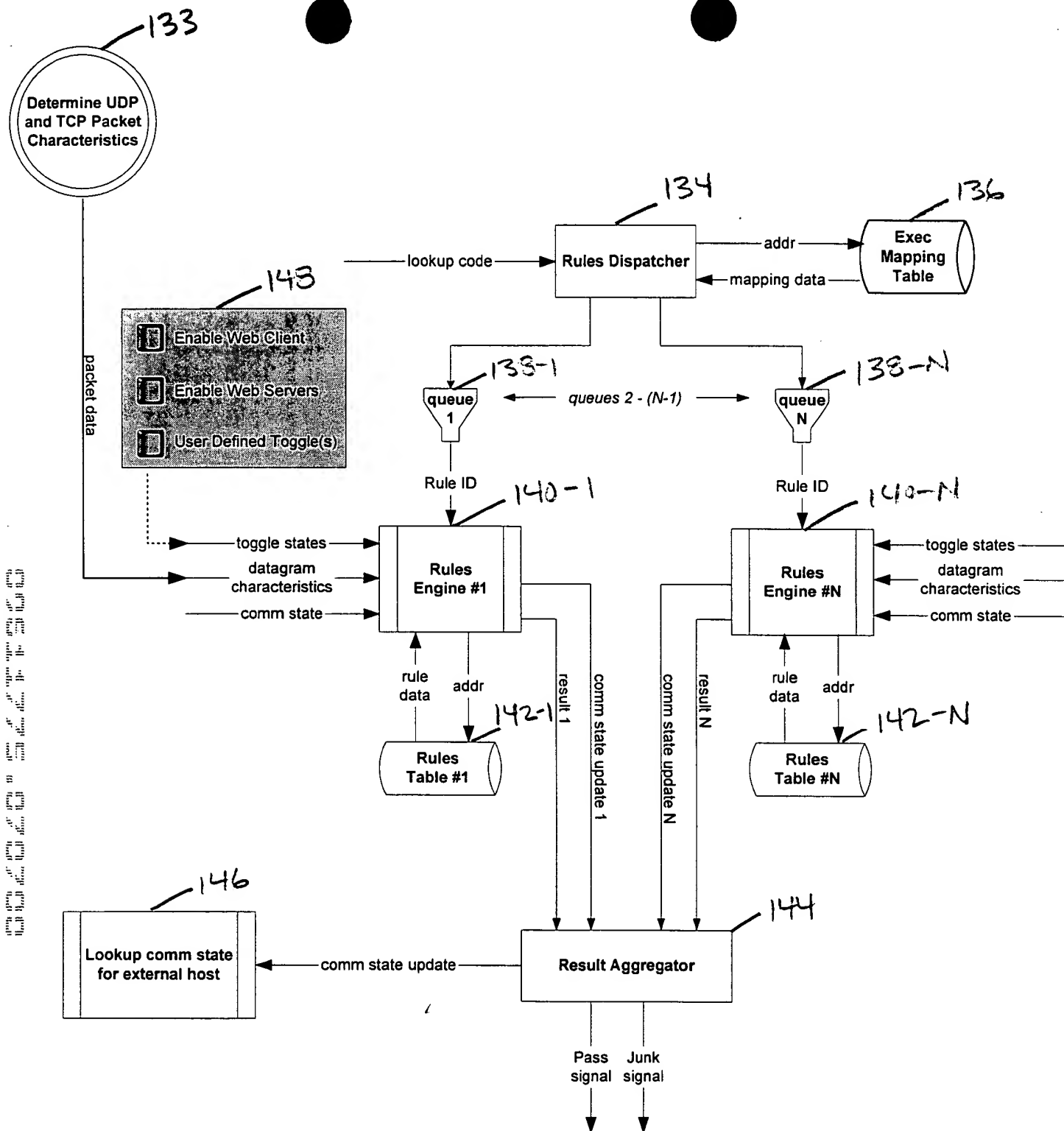


FIG. 7

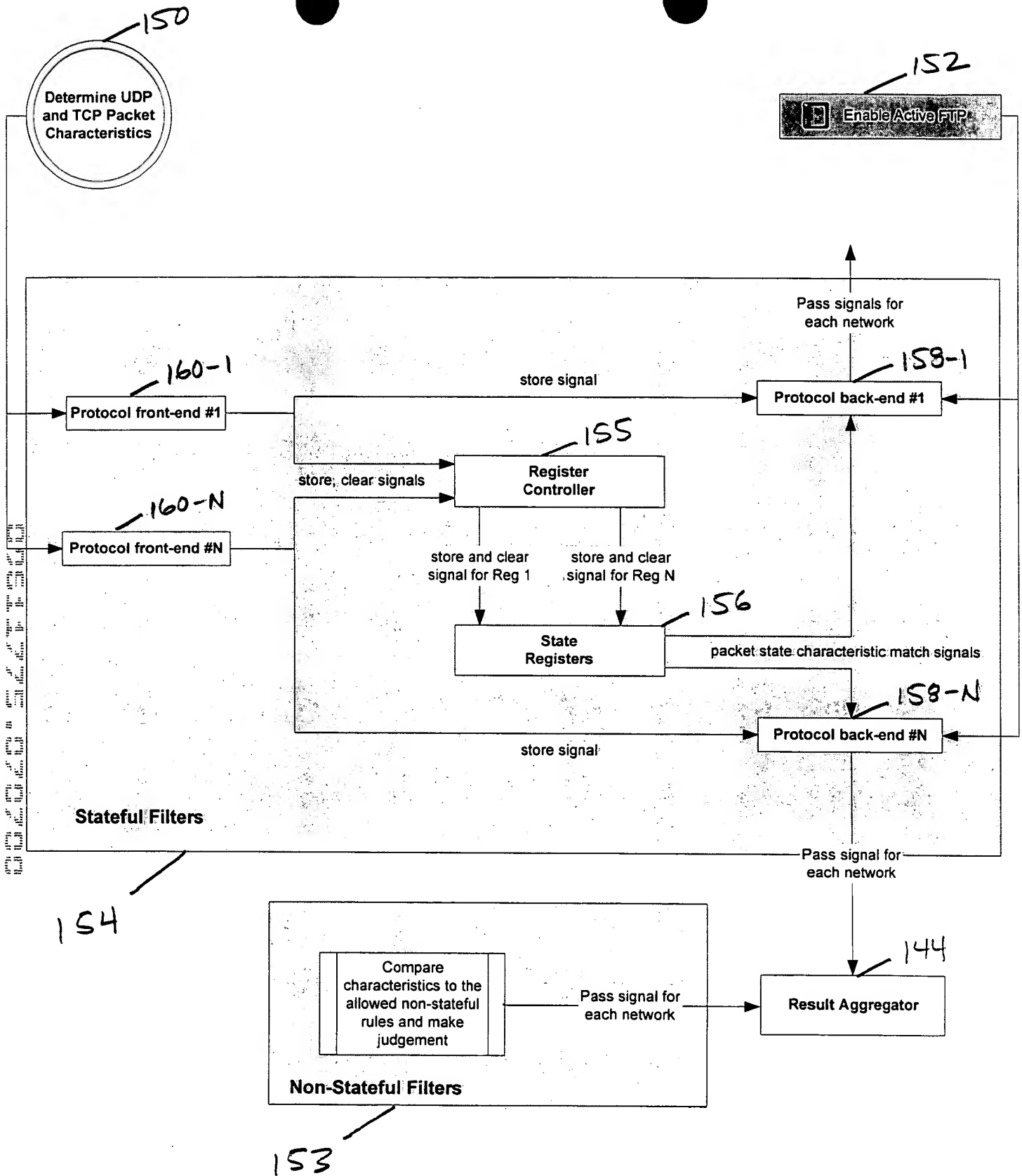


FIG. 8

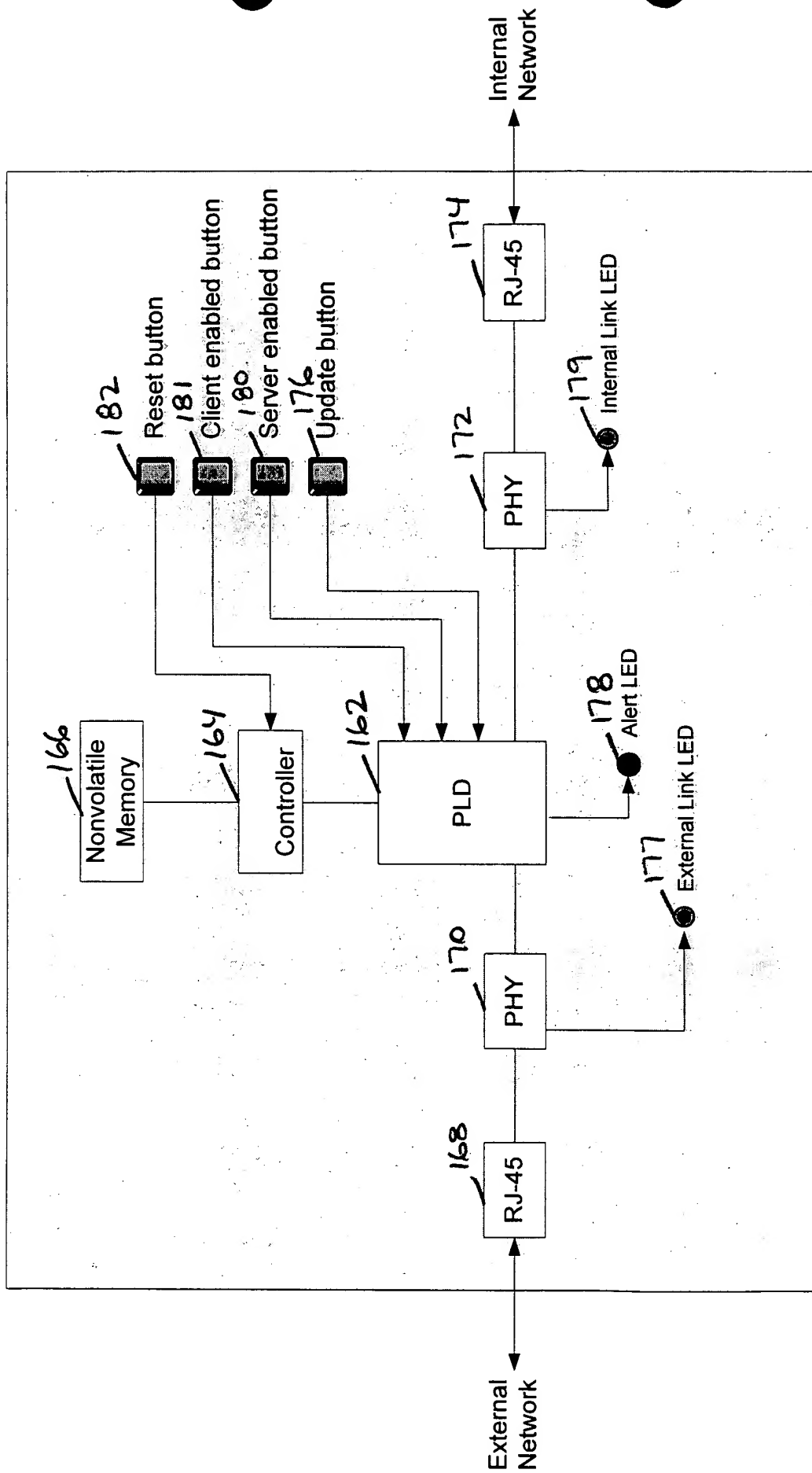


FIG. 9

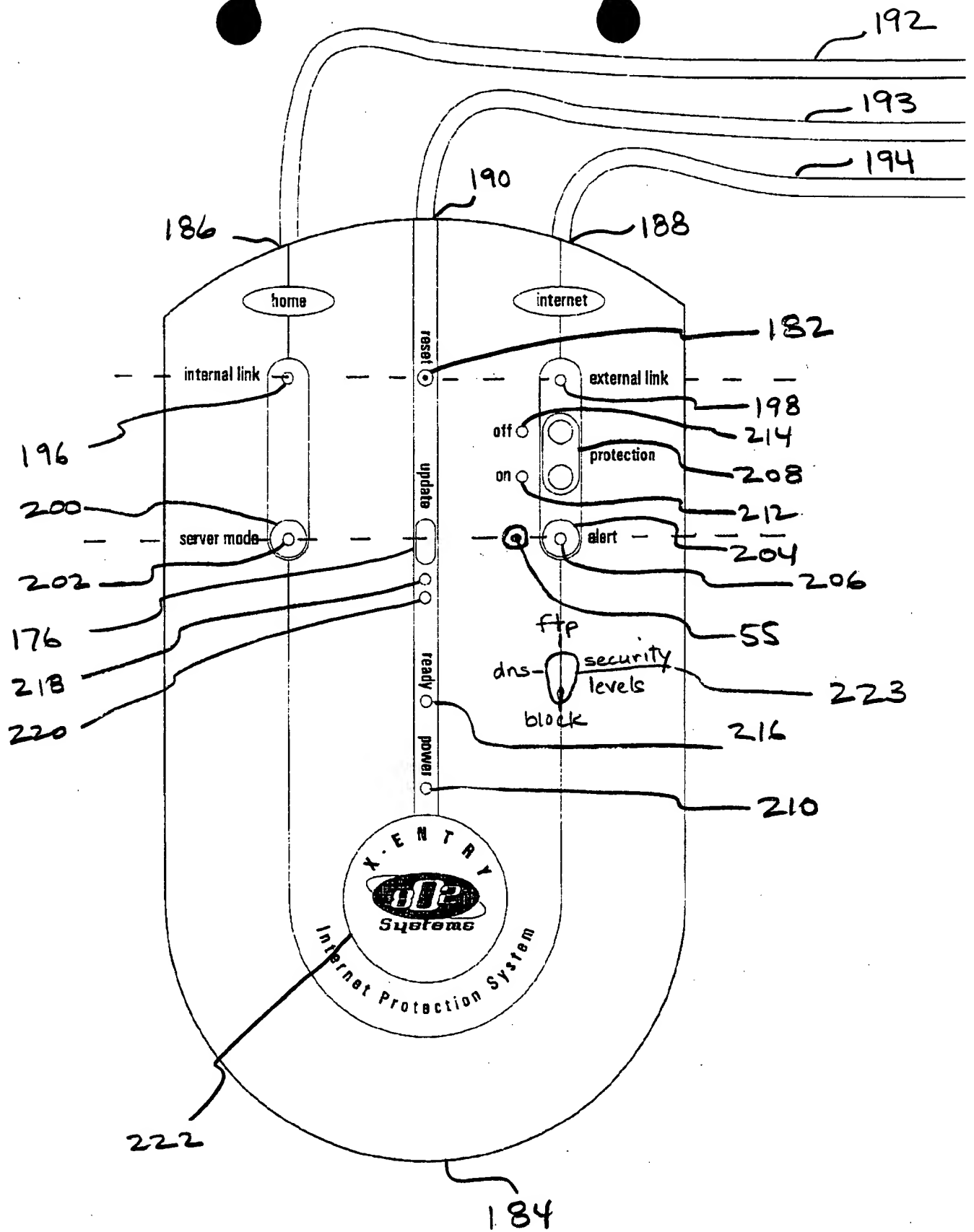


FIG.10

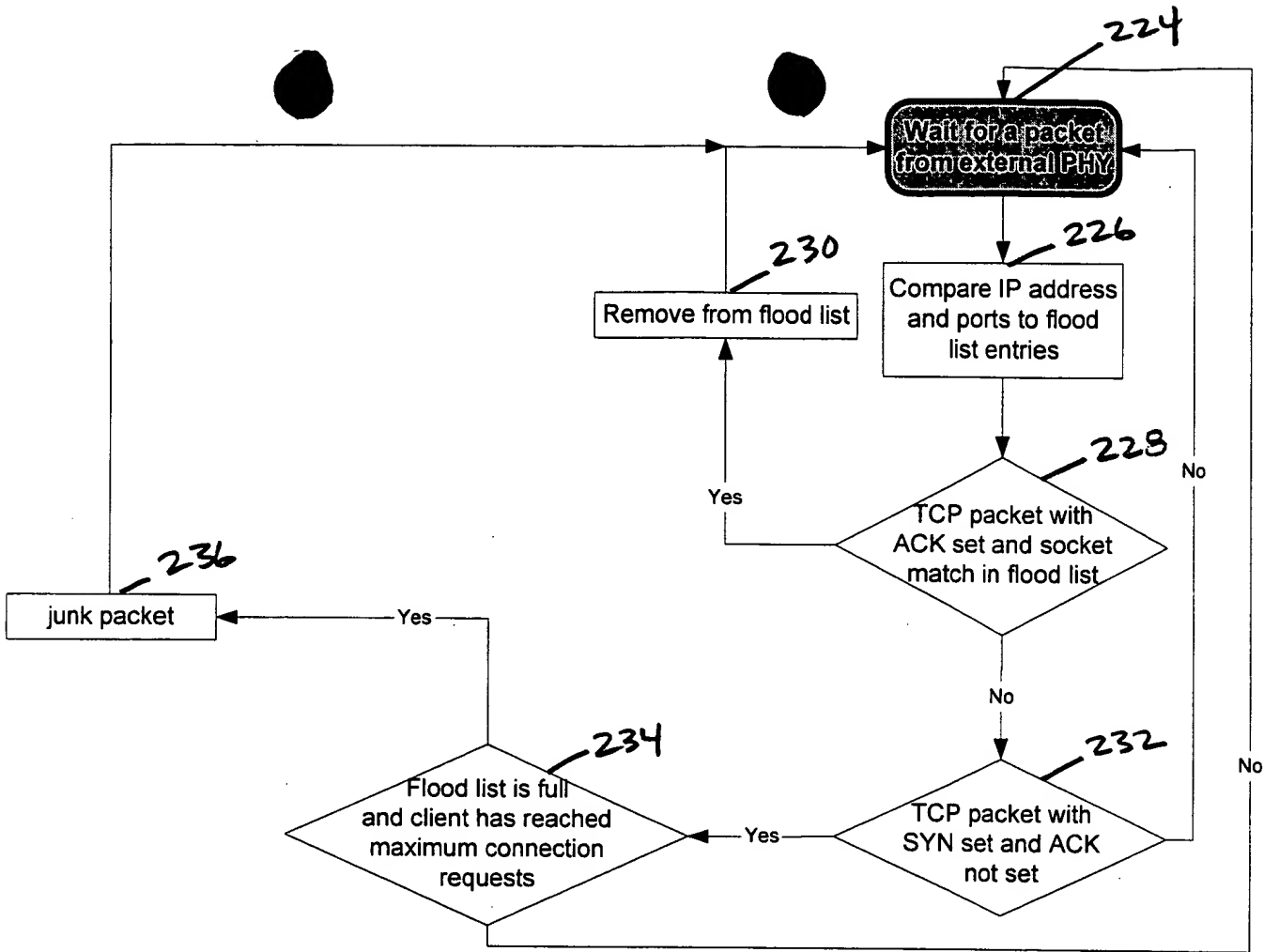


FIG. 11

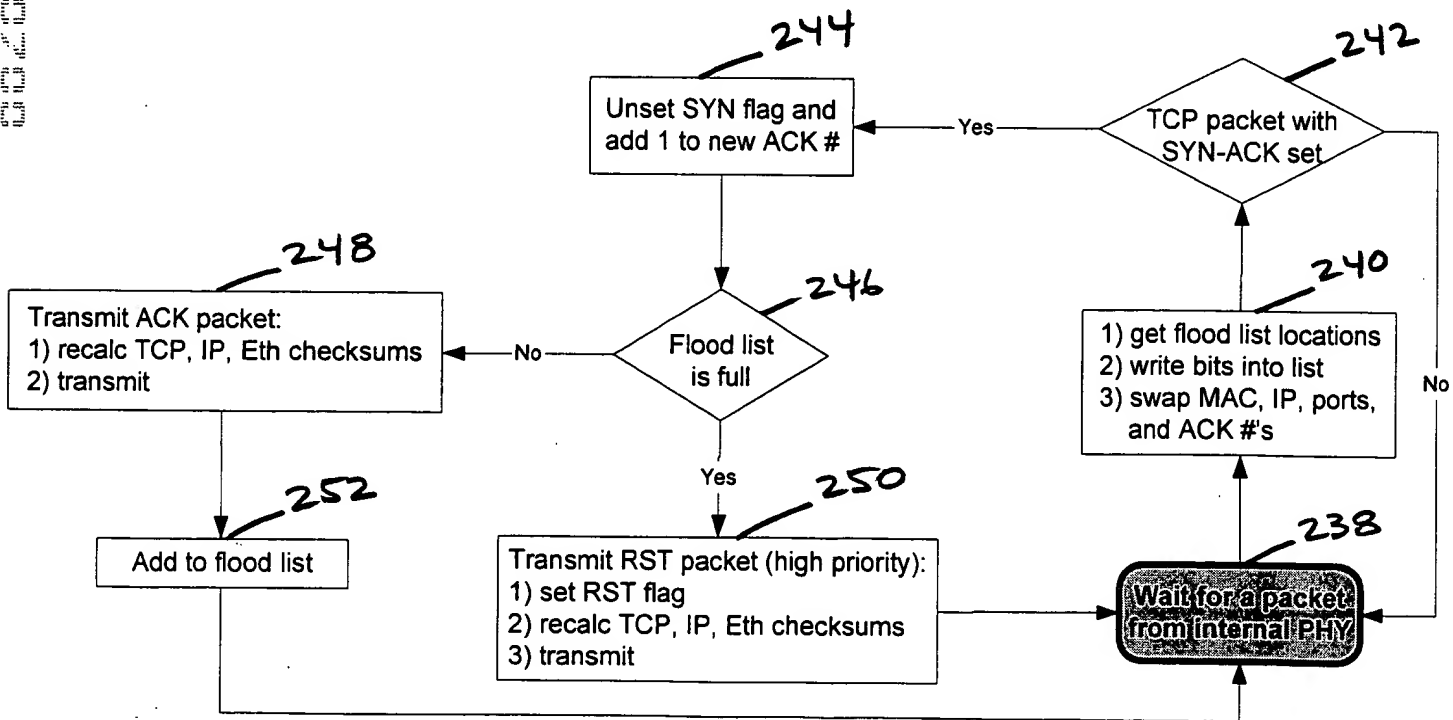


FIG. 12

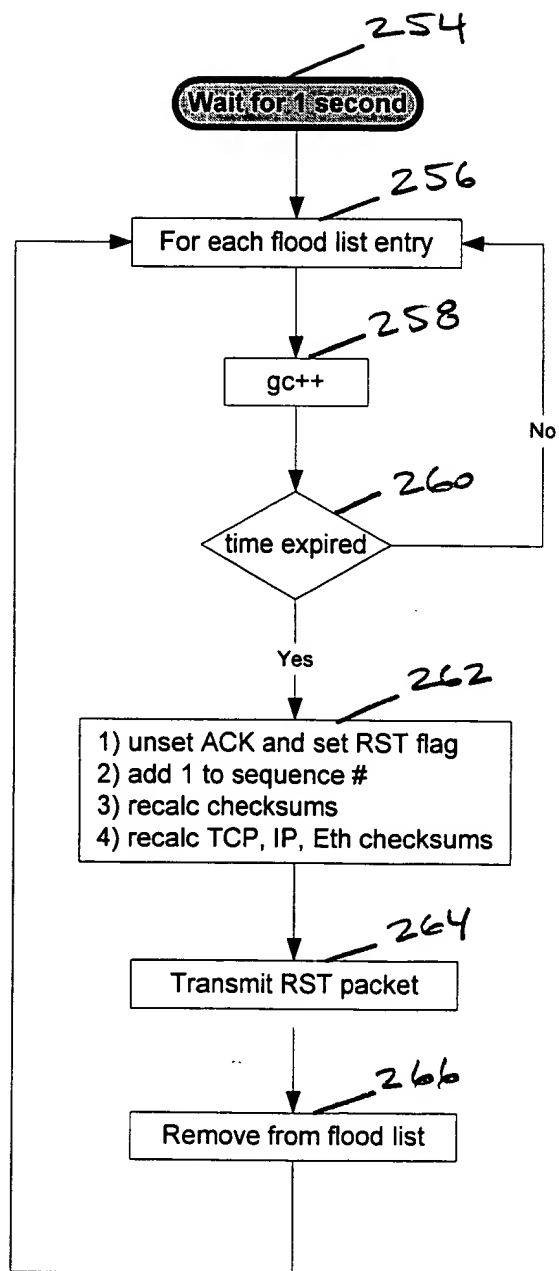


FIG. 13